## **CLAIMS**

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- 1. A detergent composition comprising an endo-glucanase, wherein the endo-glucanase is selected from one of:
- 5 (i) the endo-glucanase having the amino acid sequence of position 1 to position 773 of SEQ ID NO: 2;
  - (ii) an endo-glucanase having a sequence of at least 90% identity to the amino acid sequence of position 1 to position 773 of SEQ ID NO:2; or a fragment thereof that has glucanase activity, when identity is determined by GAP provided in the GCG program package using a GAP creation penalty of 3.0 and GAP extension penalty of 0.1.
  - 2. A detergent composition comprising an endo-glucanase, wherein the endo-glucanase is an anti-redeposition endo-glucanase as determined by the test for endo-glucanase activity together with the test for anti-redeposition effect.
  - 3. A detergent composition comprising anionic tensides and a combination of an endoglucanase as described in claims 1 or 2 and a fungal cellulase, wherein both enzymes are stable in the presence of anionic tensides.
- 4. The detergent composition of claim 3, wherein
  - (a) the endo-glucanase is selected from one of:
    - the endo-glucanase having the amino acid sequence of position 1 to position 773
      of SEQ ID NO: 2;
    - (ii) an endo-glucanase having a sequence of at least 90% identity to the amino acid sequence of position 1 to position 773 of SEQ ID NO:2; or a fragment thereof that has glucanase activity, when identity is determined by GAP provided in the GCG program package using a GAP creation penalty of 3.0 and GAP extension penalty of 0.1;
  - (b) the cellulase is selected from one of:
    - (i) the cellulase having the amino acid sequence of position 1 to position 299 of SEQ ID NO: 4 or
      - (ii) a cellulase having a sequence of at least 70% identity to the amino acid sequence of position 1 to position 299 of SEQ ID NO:4, or a fragment thereof that has cellulase activity, when identity is determined by GAP provided in the GCG program package using a GAP creation penalty of 3.0 and GAP extension penalty of 0.1.

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5. The detergent composition of claims 1 to 4, wherein the endo-glucanase is active at a pH at least in the range of 4-11, preferably 5.5-10.5.

6. The detergent composition of claims 3 to 5, wherein cellulase is derived from a strain of the genus *Thielavia*, preferably a strain of *Thielavia terrestris*, especially *Thielavia terrestris* NRRL 8126 and shown in SEQ ID NO: 4.

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- 7. The composition of claims 1 to 6, wherein the composition further comprises one or more enzymes selected from the group consisting of proteases, cellulases, beta-glucanases, hemicellulases, lipases, peroxidases, laccases, alpha--amylases, glucoamylases, cutinases, pectinases, reductases, oxidases, phenoloxidases, ligninases, pullulanases, pectate lyases, xyloglucanases, xylanases, pectin acetyl esterases, polygalacturonases, rhamnogalacturonases, pectin lyases, other mannanases, pectin methylesterases, cellobiohydrolases, transglutaminases; or mixtures thereof.
- 8. The composition of claim 7, wherein the protease is derived from a strain of Bacillus, preferably where the protease is a subtilisin selected from the group of subtilisin Novo, subtilisin Carlsberg, subtilisin 309, subtilisin 147 and subtilisin 168.
- 9. The composition of claim 8, wherein the lipase is derived from a strain of the genus *Humicola*, preferably a strain of *Humicola lanuginose*, especially *Humicola lanuginose* DSM4109.
  - 10. The composition of claim 9, wherein the alpha-amylase is derived from a strain of the genus *Bacillus*, preferably a strain of *Bacillus* sp., especially *Bacillus* sp. DSM 12649, NCIB 12512, or NCIB 12513.
  - 11. The composition of claim 10, wherein the mannanase is derived from a strain of the genus *Bacillus*, preferably *Bacillus licheniformis*, especially *Bacillus licheniformis* sp. 1633
- 12. The composition of claim 11, wherein the pectate lyase is derived from a strain of the genus *Bacillus*, preferably *Bacillus subtilis*, especially *Bacillus subtilis* DSM14218
  - 13. The composition of claim 12, wherein the cellulase is derived from a strain of the genus *Humicola*, preferably *Humicola insolens*, especially *Humicola insolens* DSM 1800.
  - 14. A detergent composition comprising an anti-redeposition endo-glucanase and a cellulase, characterised in that the enzyme detergency benefit from the enzyme combination is higher

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than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 6).

15. A detergent composition comprising an anti-redeposition endo-glucanase and an amylase, characterised in that the enzyme detergency benefit from the enzyme combination is higher than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 7).

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- 16. A detergent composition comprising an anti-redeposition endo-glucanase and a protease, characterised in that the enzyme detergency benefit from the enzyme combination is higher than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 8).
- 17. A detergent composition comprising an anti-redeposition endo-glucanase and a hemicellulase, characterised in that the enzyme detergency benefit from the enzyme combination is higher than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 9).
- 18. A detergent composition of Claim 17 wherein the hemi-cellulase is a mannanase.
- 19. A detergent composition comprising an anti-redeposition endo-glucanase and a lipase, characterised in that the enzyme detergency benefit from the enzyme combination is higher than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 11).

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20. A detergent composition comprising an anti-redeposition endo-glucanase and a pectinase or pectate lyase, characterised in that the enzyme detergency benefit from the enzyme combination is higher than, preferably at least 5 units higher than the enzyme detergency benefit of the same detergent composition without the anti-redeposition glucanase (the enzyme detergency benefit being determined by the wash test method of Example 10).

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21. The detergent composition according to any of claims 14-20, wherein the endo-glucanase comprises the amino acid sequence of SEQ ID NO: 2, or an endo-glucanase having a sequence of at least 90% identity to the amino acid sequence of position 1 to position 773 of SEQ ID NO:2; or a fragment thereof that has endo-glucanase activity, when identity is determined by GAP provided in the GCG program package using a GAP creation penalty of 3.0 and GAP extension penalty of 0.1.

- 22. A process for washing a fabric, comprising contacting a fabric with an aqueous solution of a composition of claims 1 to 21, optionally under agitation, for an effective period of time.
- 23. The process of claim 22, wherein the period of time is between 2 minutes and 24 hours, preferably 10 minutes to 60 minutes.
- 24. A process of claim 23, wherein the weight ratio of the endo-glucanase protein component to the total enzyme protein is less than 1:2.
  - 25. A process for washing a hard surface, comprising contacting the surface with an aqueous solution of a composition of claims 1 to 21 for an effective period of time.
- 26. The process of claim 22, wherein the period of time is between 1 minute and 1 hour, preferably 5 minutes to 30 minutes.
  - 27. A process of anyone of claims 22 or 25, wherein the weight ratio of the endo-glucanase protein component to the total enzyme protein is less than 1:2.

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